Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/11/2022 08:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124790	-1	1.25	124751	1.21
Blue	F	SSC	125000	123727	-2	2.68	124205	2.53
Blue	E	FITC	13602	13300	-3	2.14	374	12.77
Blue	D	PE	24891	24637	-2	1.6	586	9.93
Blue	B	PerCP-Cy5-5	33972	33007	-3	2.79	943	13.9
Blue	A	PE-Cy7	22865	22553	-2	4.75	478	27.83
Red	C	APC	47198	46219	-3	2.6	1589	11.25
Red	A	APC-Cy7	26454	25484	-4	2.96	726	11.83
Violet	B	V450	6737	6423	-5	4	449	11.64
Violet	A	V500	29317	27838	-6	3.54	955	8.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23966	2.33	556	21	N/A	N/A	Pass
Blue	F	SSC	55603	2.02	512	-9	N/A	N/A	Pass
Blue	E	FITC	56	51.89	481	-3	0.0485	75	Pass
Blue	D	PE	113	38.44	483	-3	0.5253	410	Pass
Blue	B	PerCP-Cy5-5	151	38.44	574	-5	0.0232	74	Pass
Blue	A	PE-Cy7	82	70.36	615	-6	0.0263	0	Pass
Red	C	APC	332	25.85	572	0	0.0300	235	Pass
Red	A	APC-Cy7	137	34.51	548	-3	0.0071	1842	Pass
Violet	B	V450	76	48.08	448	-2	0.0583	2544	Pass
Violet	A	V500	114	32.35	467	-2	0.0258	1157	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-33.21	-32.91	1.04
Blue	20.35	16.28 - 24.42	1.27	1.03 - 1.55	0.00	0.00	1.40
Red	17.44	13.90 - 20.86	N/A	N/A	31.11	31.37	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11408

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments